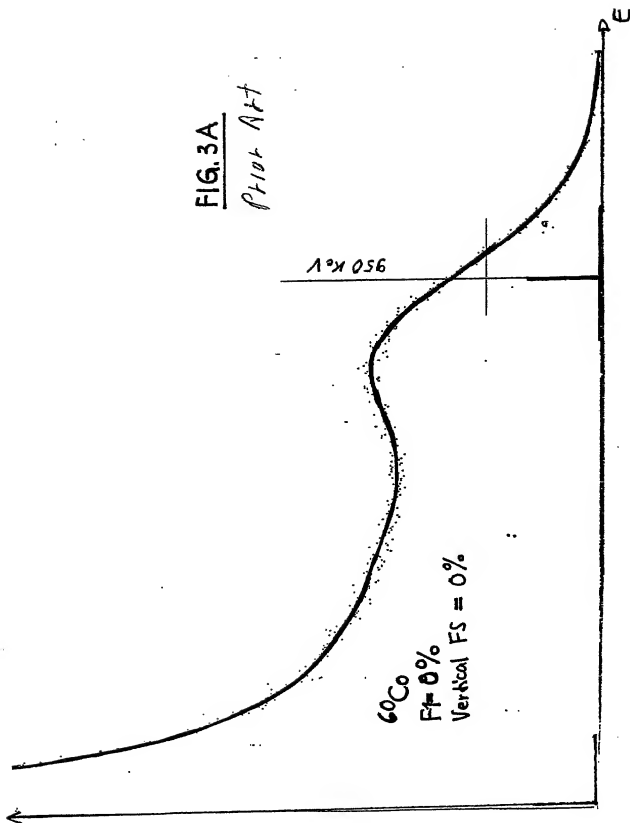
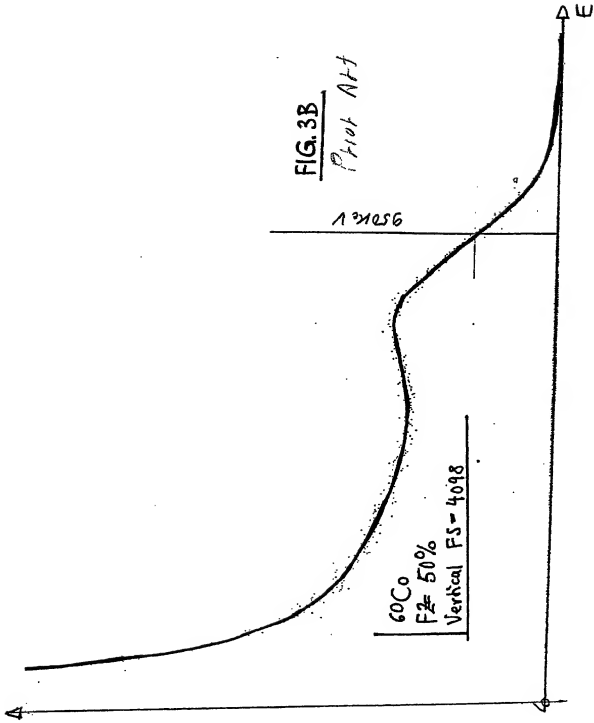


FIG. 3A

Plot A+T



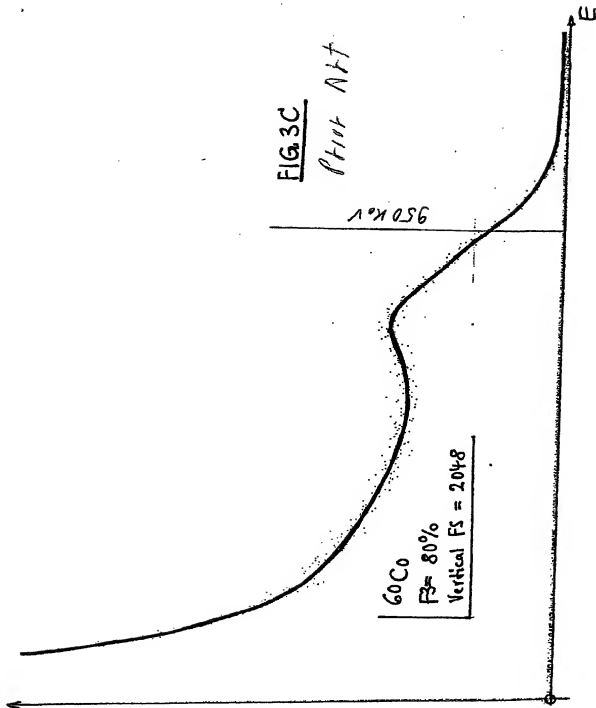
2090E0'Z71116001



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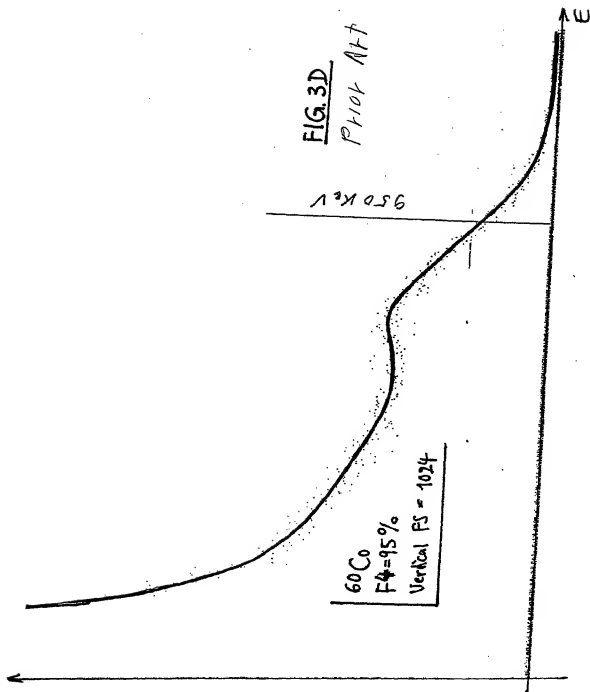
FIG 3C

Plot A1T



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FIG. 3D  
Prior Aft

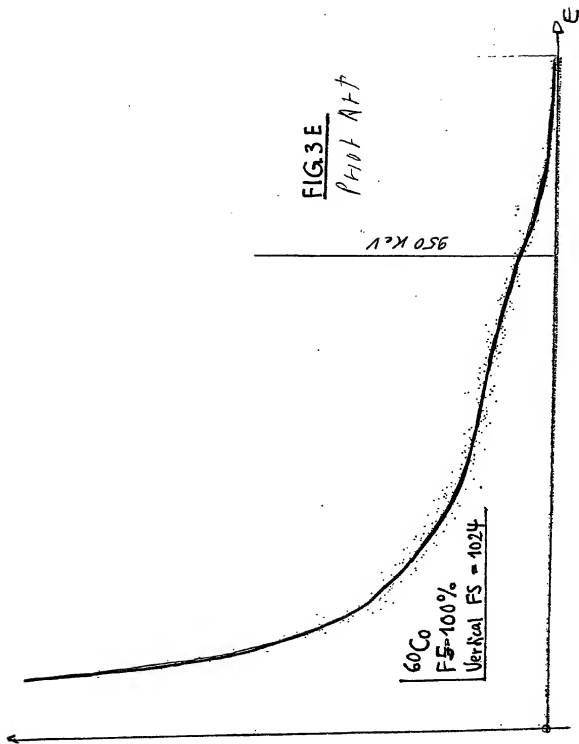


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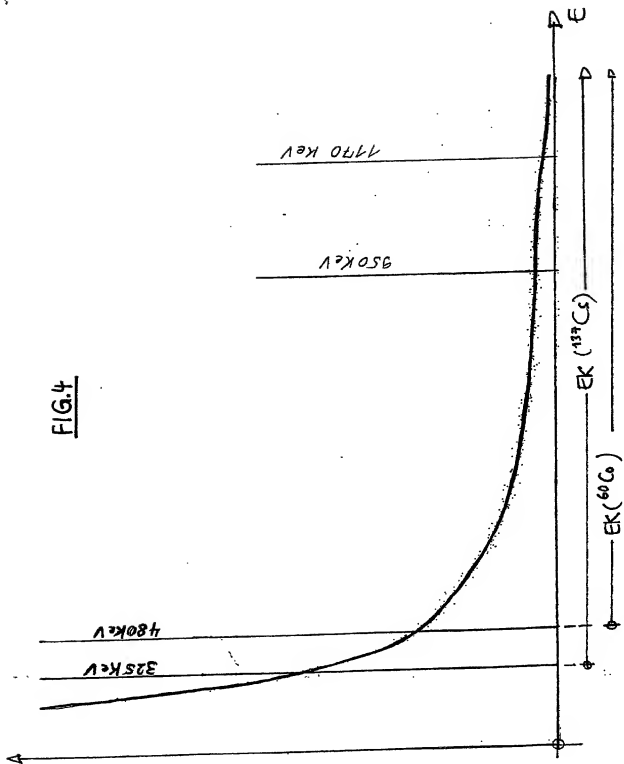
FIG. 3 E

Plot A-F



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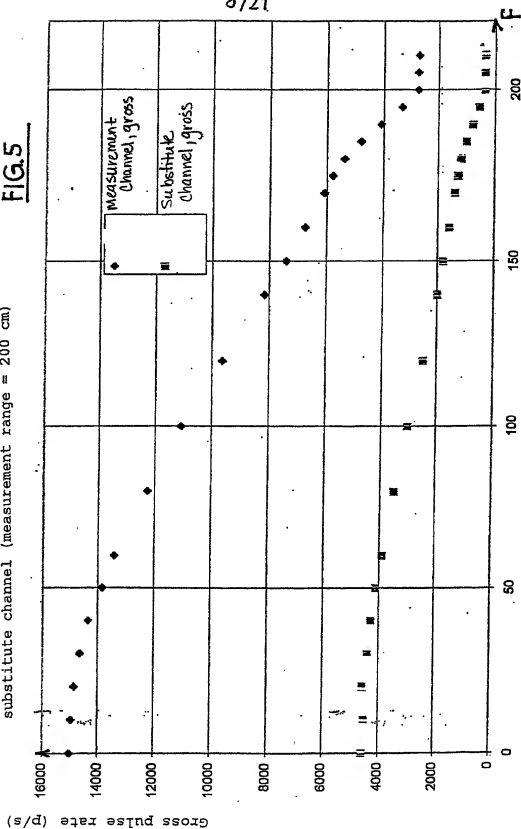
FIG. 4



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Calibration curves for the measurement channel and  
substitute channel (measurement range = 200 cm)

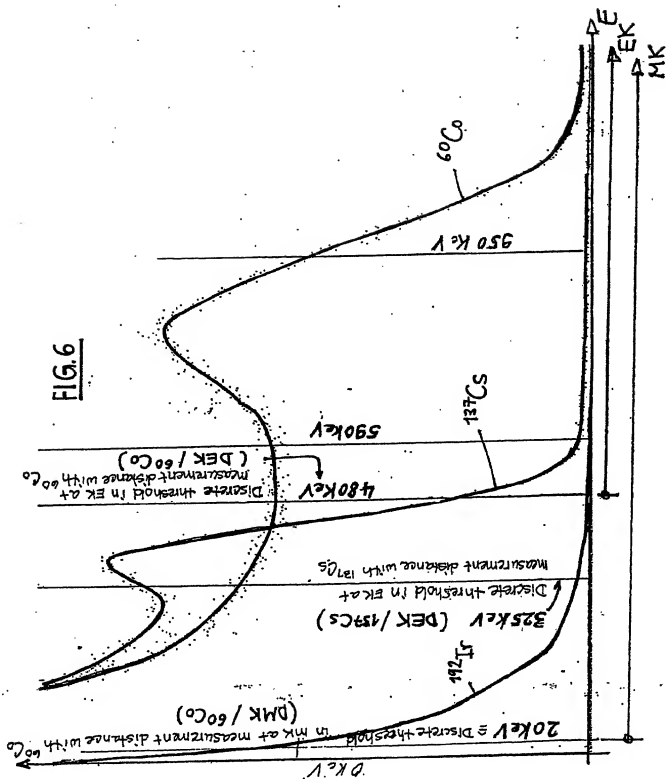
FIG. 5



Fill level (in centimeters)



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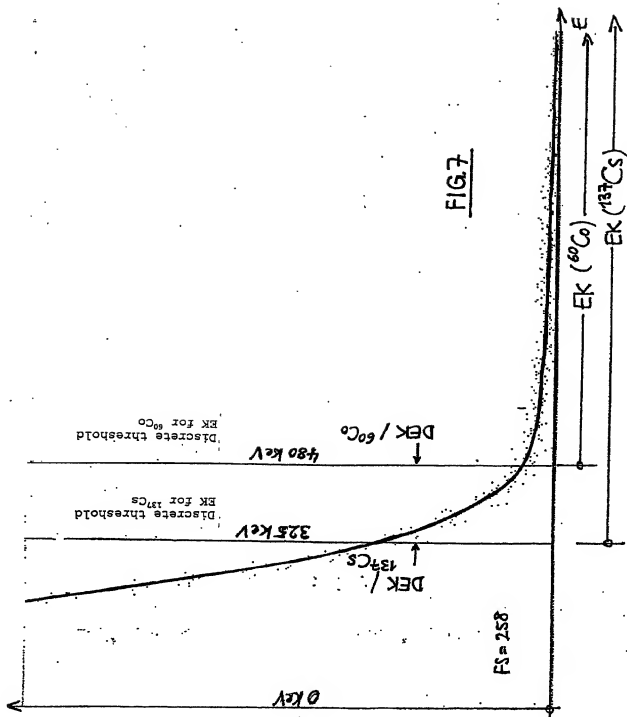
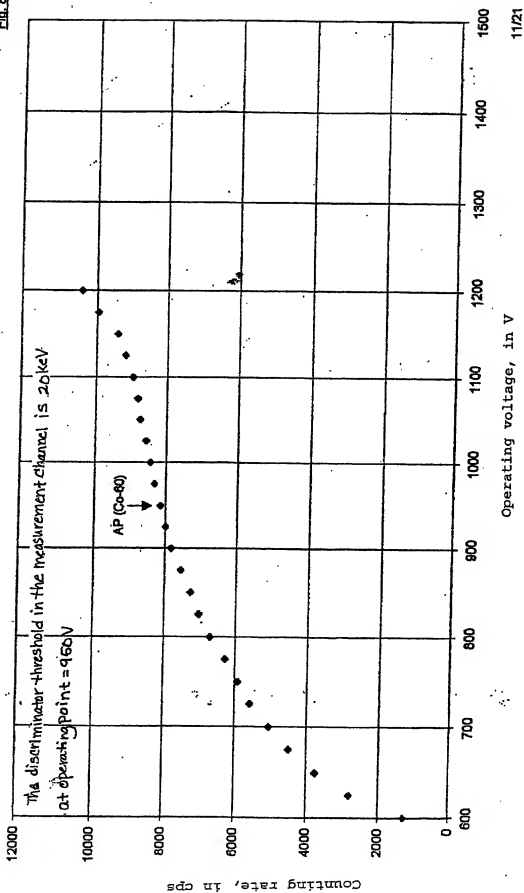


FIG. 7

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Fig. 8

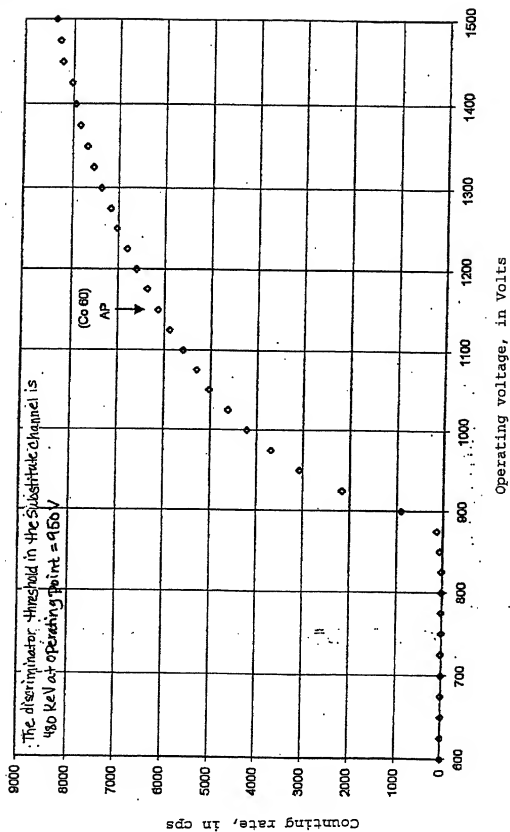
Co-60 plateau in measurement channel (MK)



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Co-60 plateau in substitute channel (EX)

Fig. 9

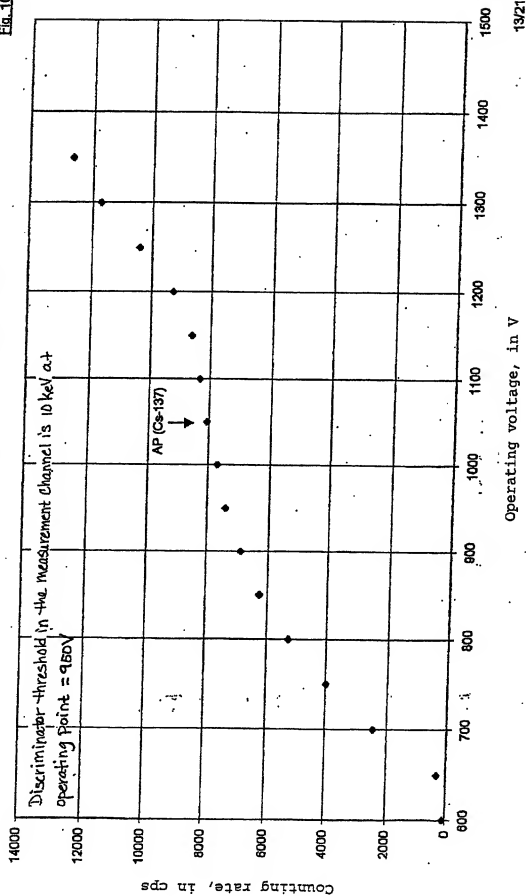


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Cs-137 plateau in measurement channel (MK)

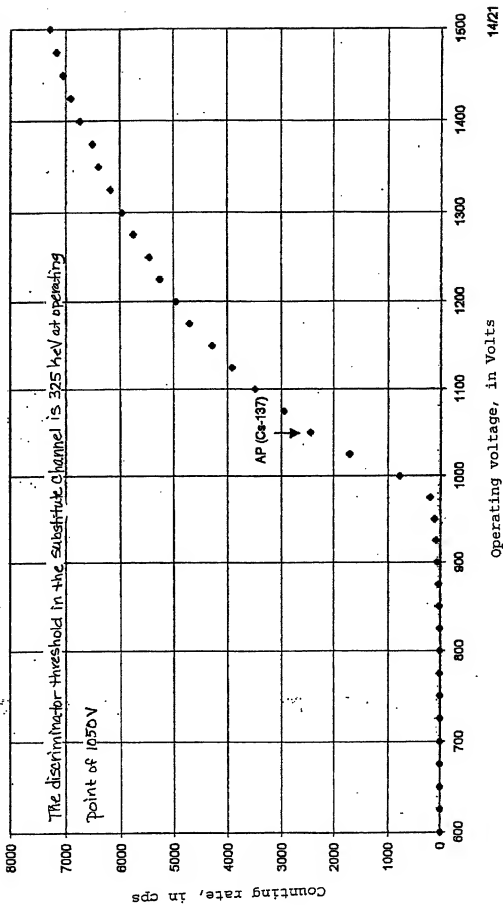
Fig. 10



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Cs-137 plateau in substitute channel (EK)

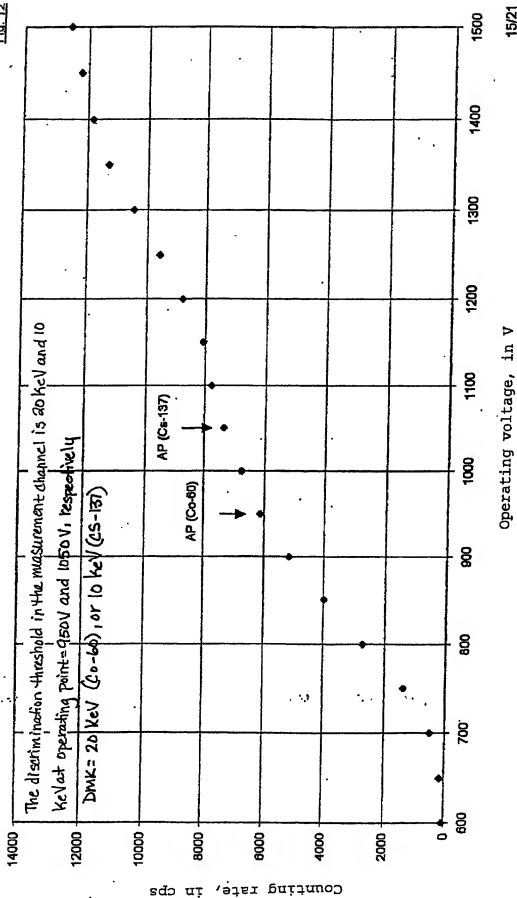
Fig. 11



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IR-192 plateau in measurement channel (MK)

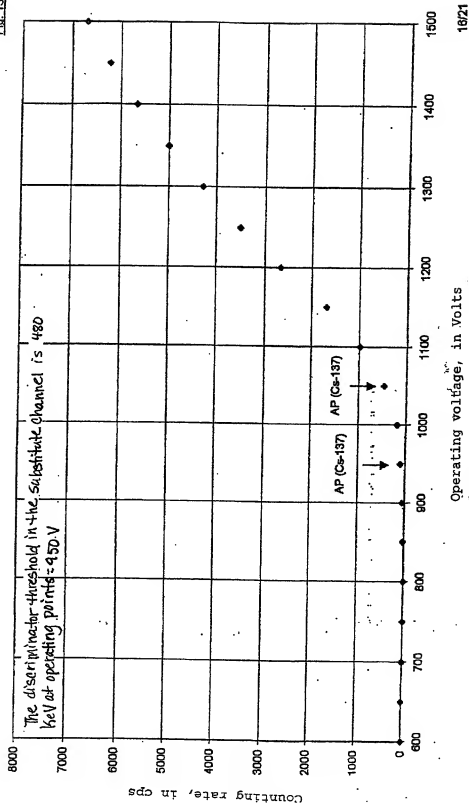
Fig. 12



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Ir-192 plateau in substitute channel (EK)

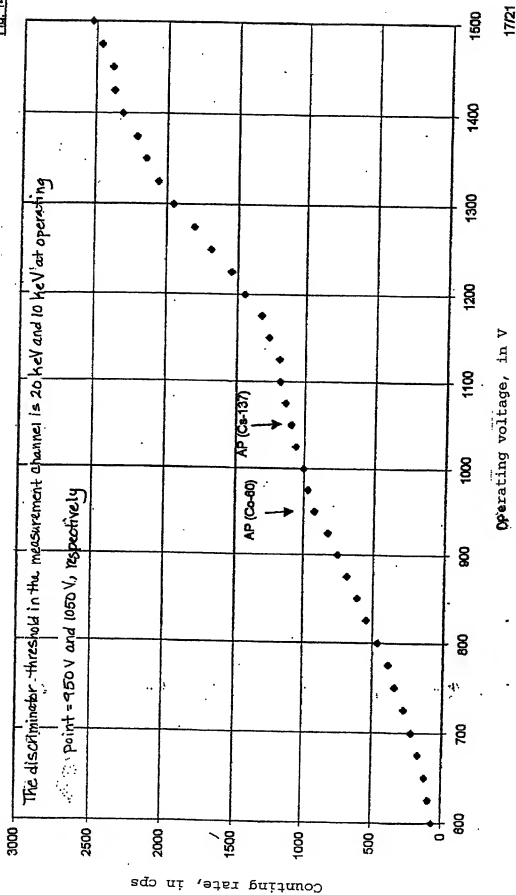
Fig. 13





Zero effect plateau in the measurement channel (MK)

Fig. 14

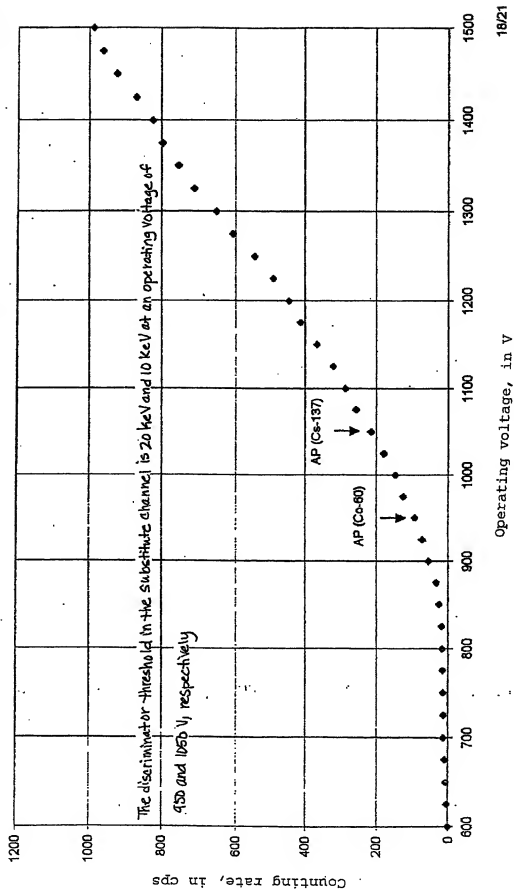


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Zero effect plateau in the substitute channel (EK)

Fig. 15



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Function Diagram for Signal Processing in the Probe Electronics

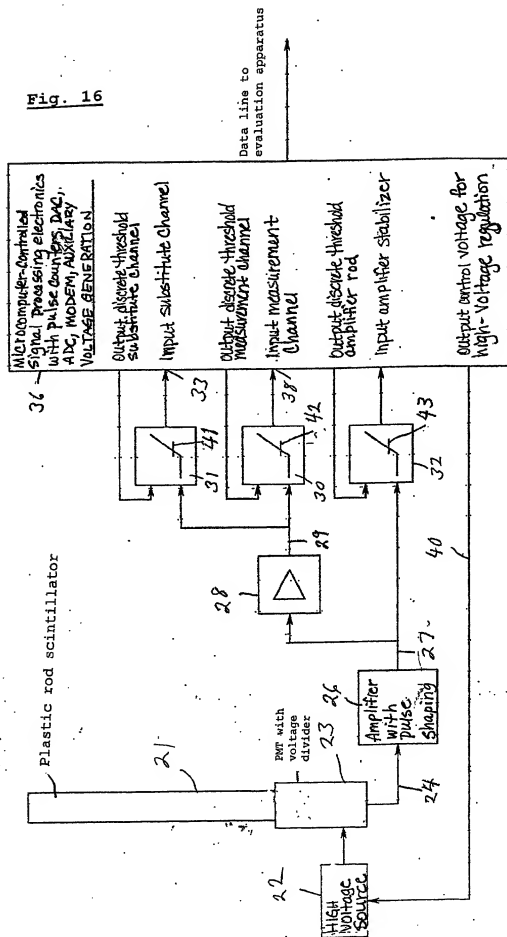


Fig. 16

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Extraneous Radiation Detection and Suppression:  
Data Processing in the Evaluation Device

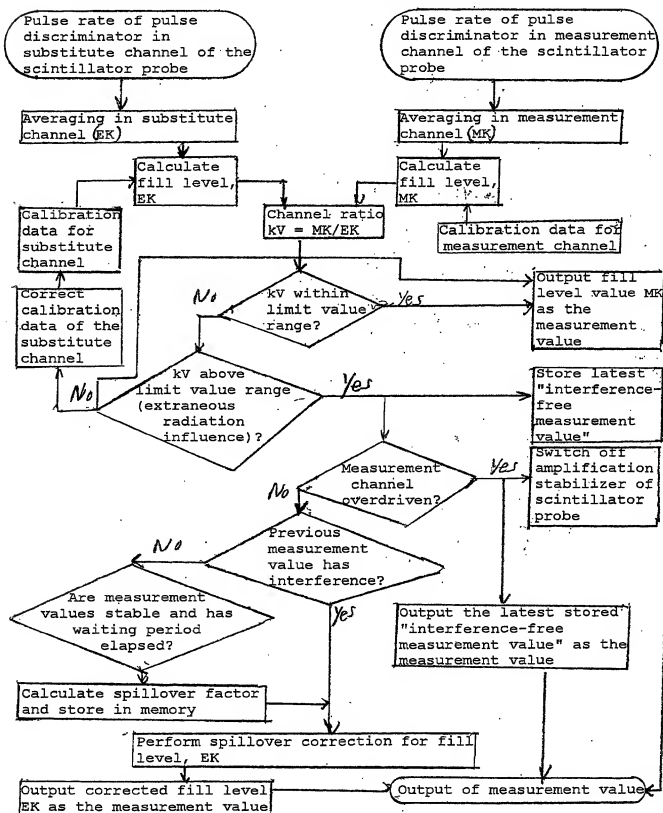


FIG. 17

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